

STN Columbus

* * * * * Welcome to STN International * * * * *

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NEWS 4 Feb 24 TEMA now available on STN
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NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and
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NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 22 Jun 06 PASCAL enhanced with additional data
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available
NEWS 24 Jun 25 HSDB has been reloaded
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NEWS 27 Jul 21 Polymer class term count added to REGISTRY
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and
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NEWS 29 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 11:02:22 ON 12 AUG 2003

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 11:02:35 ON 12 AUG 2003

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FILE COVERS 1907 - 12 Aug 2003 VOL 139 ISS 7

FILE LAST UPDATED: 11 Aug 2003 (20030811/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 43217-31-8

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L2 26 L1

=> d l2 1-26

L2 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 2002:209391 CAPLUS

DN 137:33120

TI Synthesis of 9,10-diarylanthracene derivatives via bis Suzuki-Miyaura cross-coupling reaction

AU Kotha, Sambasivarao; Ghosh, Arun Kumar

CS Department of Chemistry, Indian Institute of Technology-Bombay, Mumbai, 400076, India

SO Synlett (2002), (3), 451-452

CODEN: SYNLES; ISSN: 0936-5214

PB Georg Thieme Verlag

DT Journal

LA English

OS CASREACT 137:33120

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

STN Columbus

L2 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 2000:705517 CAPLUS
 DN 133:274003
 TI Injection-type electroluminescent devices
 IN Kishimoto, Yoshio
 PA Matsushita Electric Industrial Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000277262	A2	20001006	JP 1999-85019	19990329
PRAI	JP 1999-85019		19990329		

L2 ANSWER 3 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1998:468507 CAPLUS
 DN 129:260101
 TI Remote Substituent Effects on the Reactivity of 9-Aryl- and 9,10-Diarylanthracene Radical Cations with Anions and Amines
 AU Workentin, Mark S.; Parker, Vernon D.; Morkin, Tracy L.; Wayner, Danial D. M.
 CS Department of Chemistry, University of Western Ontario, London, ON, N6A 5B7, Can.
 SO Journal of Physical Chemistry A (1998), 102(32), 6503-6512
 CODEN: JPCAFH; ISSN: 1089-5639
 PB American Chemical Society
 DT Journal
 LA English
 RE.CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1991:459324 CAPLUS
 DN 115:59324
 TI Electrochemical behavior of polycyclic arenes - activators of peroxide-oxalate chemiluminescence. The oxidation potential of substituted naphthalenes and anthracenes as their efficiency criterion
 AU Antonkina, O. A.; Smirnov, S. K.; Gitel', P. O.; Kryukova, E. V.; Tomilov, A. P.
 CS Gos. Soyuzn. Nauchno-Issled. Inst. Org. Khim. Tekhnol., Moscow, USSR
 SO Elektrokhimiya (1991), 27(3), 394-401
 CODEN: ELKKAX; ISSN: 0424-8570
 DT Journal
 LA Russian

L2 ANSWER 5 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1991:459323 CAPLUS
 DN 115:59323
 TI Electrochemical behavior of polycyclic arenes - activators of peroxide-oxalate chemiluminescence. Reduction of substituted naphthalenes and anthracenes on a dropping mercury electrode
 AU Kryukova, E. V.; Antonkina, O. A.; Smirnov, S. K.; Veselova, L. N.; Shershukov, V. M.; Tomilov, A. P.
 CS Gos. Soyuzn. Nauchno-Issled. Inst. Org. Khim. Tekhnol., Moscow, USSR
 SO Elektrokhimiya (1991), 27(3), 388-93

STN Columbus

CODEN: ELKKAX; ISSN: 0424-8570

DT Journal
LA Russian

L2 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN
Full Text
AN 1991:255633 CAPLUS
DN 114:255633
TI Electrochemical behavior of polycyclic arenes - activators of peroxide-oxalate chemiluminescence. Oxidation of substituted naphthalenes and anthracenes on a platinum disk electrode
AU Antonkina, O. A.; Kryukova, E. V.; Smirnov, S. K.; Shershukov, V. M.; Kramarenko, S. F.; Nemchenok, I. B.; Veselova, L. N.; Tomilov, A. P.
CS Gos. Soyuzn. Nauchno-Issled. Org. Khim. Tekhnol., Moscow, USSR
SO Elektrokhimiya (1991), 27(3), 380-7
CODEN: ELKKAX; ISSN: 0424-8570
DT Journal
LA Russian

L2 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN
Full Text
AN 1984:129463 CAPLUS
DN 100:129463
TI Effect of triplet-triplet absorption on optical gain in solutions of anthracene derivatives
AU Aristov, A. V.; Maslyukov, Yu. S.; Nikolaev, A. B.
CS USSR
SO Optika i Spektroskopiya (1984), 56(1), 117-22
CODEN: OPSPAM; ISSN: 0030-4034
DT Journal
LA Russian

L2 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN
Full Text
AN 1983:125259 CAPLUS
DN 98:125259
TI Study of the form of the fluctuation distribution function of fluorescent molecules using electronic-transition frequencies
AU Voropai, E. S.; Saechnikov, V. A.; Sarzhevskii, A. M.
CS USSR
SO Zhurnal Prikladnoi Spektroskopii (1983), 38(1), 138-44
CODEN: ZPSBAX; ISSN: 0514-7506
DT Journal
LA Russian

L2 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN
Full Text
AN 1981:147753 CAPLUS
DN 94:147753
TI Effect of molecular structure on the magnitude and nature of the heterogeneous broadening of levels in the presence of energy transfer
AU Voropai, E. S.; Saechnikov, V. A.; Sarzhevskii, A. M.
CS USSR
SO Zhurnal Prikladnoi Spektroskopii (1981), 34(2), 312-18
CODEN: ZPSBAX; ISSN: 0514-7506
DT Journal
LA Russian

L2 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN
Full Text
AN 1980:434263 CAPLUS
DN 93:34263

STN Columbus

TI Some features of the manifestation of the heterogeneous broadening of the levels of anthracene derivatives under conditions of electronic excitation energy transfer
 AU Voropai, E. S.; Koyava, V. T.; Saechnikov, V. A.; Sarzhevskii, A. M.
 CS USSR
 SO Zhurnal Prikladnoi Spektroskopii (1980), 32(3), 457-63
 CODEN: ZPSBAX; ISSN: 0514-7506
 DT Journal
 LA Russian

L2 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1975:57029 CAPLUS
 DN 82:57029
 TI Quasiline luminescence and absorption spectra of anthracene derivatives
 AU Kivach, L. N.; Isachenkova, L. A.
 CS USSR
 SO Mater. Resp. Konf. Molodykh Uch. Fiz., 2nd (1972), Meeting Date 1972, Volume 2, 5-6. Editor(s): Bogush, A. A. Publisher: Akad. Nauk Beloruss. SSR, Inst. Fiz., Minsk, USSR.
 CODEN: 29JQAI
 DT Conference
 LA Russian

L2 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1974:498573 CAPLUS
 DN 81:98573
 TI Electrochemistry in media of intermediate acidity. VII. Redox equilibria of anthracene cation radicals, dications, and cationic addition products
 AU Hammerich, Ole; Parker, Vernon D.
 CS Dep. Gen. Org. Chem., Univ. Copenhagen, Copenhagen, Den.
 SO Journal of the American Chemical Society (1974), 96(13), 4289-96
 CODEN: JACSAT; ISSN: 0002-7863
 DT Journal
 LA English

L2 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1973:550050 CAPLUS
 DN 79:150050
 TI Redox equilibriums of aromatic cation radicals and aromatic compounds
 AU Svanholm, Ulla; Parker, Vernon D.
 CS Dep. Gen. Org. Chem., Univ. Copenhagen, Copenhagen, Den.
 SO Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999) (1973), (11), 1594-7
 CODEN: JCPKBH; ISSN: 0300-9580
 DT Journal
 LA English

L2 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1973:520301 CAPLUS
 DN 79:120301
 TI Generation of induced radiation by solutions of anthracene derivatives
 AU Aristov, A. V.; Kuzin, V. A.; Cherkasov, A. S.
 CS USSR
 SO Optika i Spektroskopiya (1973), 35(2), 330-5
 CODEN: OPSPAM; ISSN: 0030-4034
 DT Journal
 LA Russian

STN Columbus

L2 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1963:474732 CAPLUS

DN 59:74732

OREF 59:13784f-h,13785a-c

TI Relative rates of photochemical reactions of anthracene derivatives

AU Vembe, T. M.; Kiyanskay, L. A.; Cherkaso, A. S.

SO Zhurnal Obshchei Khimii (1963), 33(4), 2342-7

CODEN: ZOKHA4; ISSN: 0044-460X

DT Journal

LA Unavailable

L2 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1961:79907 CAPLUS

DN 55:79907

OREF 55:15115a-h

TI Influence of substituting groups on the position of the absorption and fluorescence spectra of derivatives of anthracene

AU Cherkasov, A. S.

SO Optika i Spektroskopiya (1959), 6, 496-502

CODEN: OPSPAM; ISSN: 0030-4034

DT Journal

LA Unavailable

L2 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1961:79906 CAPLUS

DN 55:79906

OREF 55:15115a-h

TI Influence of substituting groups on the position of the absorption and fluorescence spectra of derivatives of anthracene

AU Cherkasov, A. S.

SO Optics and Spectroscopy (U.S.S.R.) (1959), 6, 315-18

DT Journal

LA English

L2 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1961:52410 CAPLUS

DN 55:52410

OREF 55:10056c-e

TI Effect of substituting groups on the position of absorption and fluorescence spectra of anthracene derivatives

AU Cherkasov, A. S.

SO Optika i Spektroskopiya (1959), 6, 496-502

CODEN: OPSPAM; ISSN: 0030-4034

DT Journal

LA Unavailable

L2 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1958:96319 CAPLUS

DN 52:96319

OREF 52:16917d-e

TI Photoluminescent characteristics and relative scintillation intensity of plastic scintillators with anthracene derivatives

AU Cherkasov, A. S.; Tishchenko, G. A.; Voldaikina, K. G.

SO Optika i Spektroskopiya (1958), 4, 344-7

CODEN: OPSPAM; ISSN: 0030-4034

DT Journal

LA Unavailable

STN Columbus

L2 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1957:75588 CAPLUS

DN 51:75588

OREF 51:13580b-c

TI Duration of fluorescence for the meso derivatives of anthracene

AU Cherkasov, A. S.; Molchanov, V. A.; Vember, T. M.; Voldaikina, K. G.

SO Soviet Phys. "Doklady" (1956), 1, 427-9

DT Journal

LA English

L2 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1957:60504 CAPLUS

DN 51:60504

OREF 51:11080g

TI Absorption spectra, fluorescence spectra, and fluorescence quantum yields of some meso derivatives of anthracene

AU Cherkasov, A. S.

SO Bull. Acad. Sci. U.S.S.R., Phys. Ser. (1956), 20, 436-9

DT Journal

LA English

L2 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1957:50616 CAPLUS

DN 51:50616

OREF 51:9329i,9330a

TI Duration of fluorescence for the meso derivatives of anthracene

AU Cherkasov, A. S.; Molchanov, V. A.; Vember, T. M.; Voldaikina, K. G.

SO Doklady Akad. Nauk. S.S.S.R. (1956), 109, 292-4

DT Journal

LA Unavailable

L2 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1957:4387 CAPLUS

DN 51:4387

OREF 51:870g-i

TI Absorption spectra, fluorescence spectra, and fluorescence quantum yields of some meso derivatives of anthracene

AU Cherkasov, A. S.

SO Izvest. Akad. Nauk S.S.S.R., Ser. Fiz. (1956), 20, 478-81

DT Journal

LA Unavailable

L2 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1957:4386 CAPLUS

DN 51:4386

OREF 51:870e-g

TI Polarization of anthracene crystal fluorescence

AU Ferguson, J.; Schneider, W. G.

CS Natl. Research Council, Ottawa, Can.

SO J. Chem. Phys. (1956), 25, 780

DT Journal

LA Unavailable

L2 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1938:3494 CAPLUS

STN Columbus

DN 32:3494
 OREF 32:537f-h
 TI Dissociable anthracene oxides. Photoxides of ms-ditolylanthracenes
 AU Willemart, Antoine
 SO Bull. soc. chim. [5] (1937), 4, 510-17
 DT Journal
 LA Unavailable

L2 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1938:3493 CAPLUS
 DN 32:3493
 OREF 32:537d-f
 TI Dissociable anthracene oxides. Photoxides of ms-di- α -
 naphthylanthracene and ms-di- β -naphthylanthracene
 AU Willemart, Antoine
 SO Bull. soc. chim. [5] (1937), 4, 357-63
 DT Journal
 LA Unavailable

=> s 524713-62-0

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L4 1 L3

=> d l4

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 2003:368887 CAPLUS
 DN 138:368630
 TI Preparation of 9,10-diarylanthracenes and chemiluminescent compositions
 containing them
 IN Park, Kun Ha; Kim, Yon Fan; Park, Min Sob
 PA S. Korea
 SO Jpn. Kokai Tokkyo Koho, 43 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003137824	A2	20030514	JP 2002-307582	20021022
	US 2003116759	A1	20030626	US 2002-71958	20020207
PRAI	KR 2001-65155	A	20011022		
OS	MARPAT 138:368630				

=> s 96367-50-9

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

STN Columbus

L6 1 L5

=> d l6

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1963:475118 CAPLUS

DN 59:75118

OREF 59:13900g-h,13901a-b

TI Resins from formaldehyde. LXXVII. Synthesis of some anthracene derivatives as a wavelength shifter for plastic scintillators

AU Imoto, Minoru; Nakaya, Tadao

CS Osaka City Univ.

SO Bulletin of the Chemical Society of Japan (1963), 36(7), 785-8

CODEN: BCSJA8; ISSN: 0009-2673

DT Journal

LA Unavailable

=> s 155795-63-4

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L8 1 L7

=> d l8

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

Full Text

AN 1994:408558 CAPLUS

DN 121:8558

TI ENDOR and EPR studies of novel polycyclic aromatic radical cations

AU Sang, Hong; Wang, Hanqing

CS Lanzhou Inst. Chem. Phys., Chinese Acad. Sci., Lanzhou, 730000, Peop. Rep. China

SO Bopuxue Zazhi (1994), 11(1), 13-25

CODEN: BOZAE2; ISSN: 1000-4556

DT Journal

LA English

OS CASREACT 121:8558

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.82

42.94

STN INTERNATIONAL LOGOFF AT 11:12:03 ON 12 AUG 2003

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<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
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<u>NEWS 5</u>	Feb 26	NTIS now allows simultaneous left and right truncation
<u>NEWS 6</u>	Feb 26	PCTFULL now contains images
<u>NEWS 7</u>	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
<u>NEWS 8</u>	Mar 24	PATDPAFULL now available on STN
<u>NEWS 9</u>	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
<u>NEWS 10</u>	Apr 11	Display formats in DGENE enhanced
<u>NEWS 11</u>	Apr 14	MEDLINE Reload
<u>NEWS 12</u>	Apr 17	Polymer searching in REGISTRY enhanced
<u>NEWS 13</u>	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
<u>NEWS 14</u>	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
<u>NEWS 15</u>	Apr 28	RDISCLOSURE now available on STN
<u>NEWS 16</u>	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
<u>NEWS 17</u>	May 15	MEDLINE file segment of TOXCENTER reloaded
<u>NEWS 18</u>	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
<u>NEWS 19</u>	May 19	Simultaneous left and right truncation added to WSCA
<u>NEWS 20</u>	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
<u>NEWS 21</u>	Jun 06	Simultaneous left and right truncation added to CBNB
<u>NEWS 22</u>	Jun 06	PASCAL enhanced with additional data
<u>NEWS 23</u>	Jun 20	2003 edition of the FSTA Thesaurus is now available
<u>NEWS 24</u>	Jun 25	HSDB has been reloaded
<u>NEWS 25</u>	Jul 16	Data from 1960-1976 added to RDISCLOSURE
<u>NEWS 26</u>	Jul 21	Identification of STN records implemented
<u>NEWS 27</u>	Jul 21	Polymer class term count added to REGISTRY
<u>NEWS 28</u>	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
<u>NEWS 29</u>	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
<u>NEWS EXPRESS</u>	April 4	CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
<u>NEWS HOURS</u>		STN Operating Hours Plus Help Desk Availability
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<u>NEWS LOGIN</u>		Welcome Banner and News Items
<u>NEWS PHONE</u>		Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>		CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 10:24:40 ON 12 AUG 2003

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:25:03 ON 12 AUG 2003
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 provided by InfoChem.

STRUCTURE FILE UPDATES: 11 AUG 2003 HIGHEST RN 565156-77-6
 DICTIONARY FILE UPDATES: 11 AUG 2003 HIGHEST RN 565156-77-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

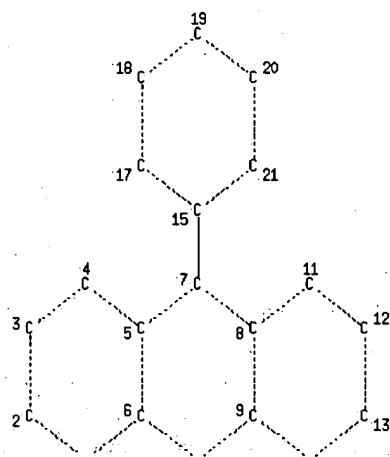
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

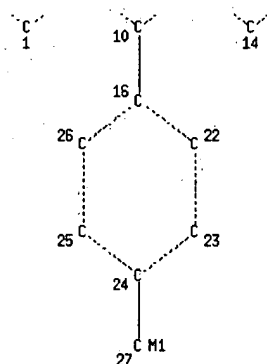
L1 STRUCTURE UPLOADED

=> dis que

L1 STR



Page 1-A



Page 2-A

NODE ATTRIBUTES:

HCOUNT	IS M1	AT	27
NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3

```

NSPEC  IS R      AT  4
NSPEC  IS R      AT  5
NSPEC  IS R      AT  6
NSPEC  IS R      AT  7
NSPEC  IS R      AT  8
NSPEC  IS R      AT  9
NSPEC  IS R      AT 10
NSPEC  IS R      AT 11
NSPEC  IS R      AT 12
NSPEC  IS R      AT 13
NSPEC  IS R      AT 14
NSPEC  IS R      AT 15
NSPEC  IS R      AT 16
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NSPEC  IS R      AT 19
NSPEC  IS R      AT 20
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NSPEC  IS R      AT 22
NSPEC  IS R      AT 23
NSPEC  IS R      AT 24
NSPEC  IS R      AT 25
NSPEC  IS R      AT 26
NSPEC  IS C      AT 27
DEFAULT MLEVEL IS ATOM
MLEVEL  IS CLASS AT 27
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

```

=> s 11
SAMPLE SEARCH INITIATED 10:35:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 575 TO ITERATE

```

100.0% PROCESSED 575 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

```

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH  **COMPLETE**
PROJECTED ITERATIONS: 10062 TO 12938
PROJECTED ANSWERS:    10 TO 388

```

L2 10 SEA SSS SAM L1

```

=> search 11
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 10:35:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 11731 TO ITERATE

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100.0% PROCESSED 11731 ITERATIONS 199 ANSWERS
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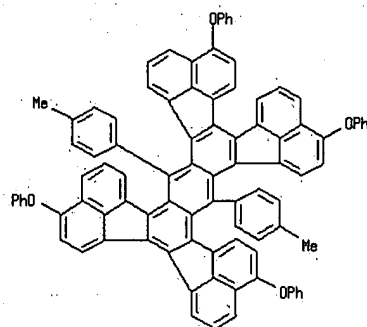
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RN 554419-64-6 REGISTRY
CN INDEX NAME NOT YET ASSIGNED

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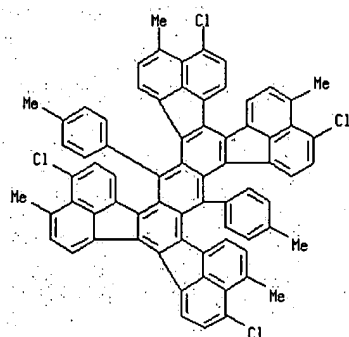
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LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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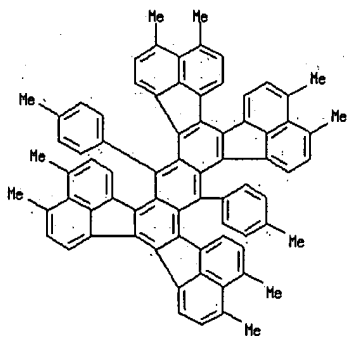
L3 ANSWER 2 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 554419-62-4 REGISTRY
CN INDEX NAME NOT YET ASSIGNED
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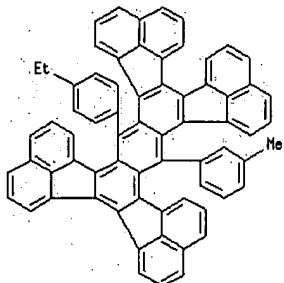
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RN 554419-60-2 REGISTRY
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LC STN Files: CA, CAPLUS



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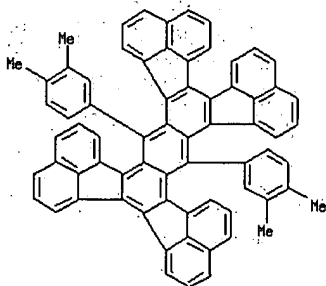
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RN 554419-58-8 REGISTRY
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LC STN Files: CA, CAPLUS



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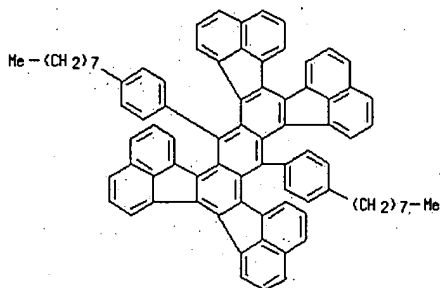
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RN 554419-57-7 REGISTRY
CN Diacenaphtho[1,2-l:1',2'-l']benzo[1,2-j:4,5-j']difluoranthene,
10,23-bis(3,4-dimethylphenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C70 H42
SR CA
LC STN Files: CA, CAPLUS



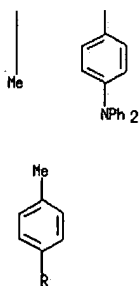
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RN 554419-52-2 REGISTRY
CN Diacenaphtho[1,2-l:1',2'-l']benzo[1,2-j:4,5-j']difluoranthene,
10,23-bis(4-octylphenyl)- (9CI) (CA INDEX NAME)
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LC STN Files: CA, CAPLUS



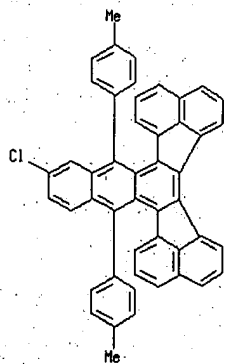
PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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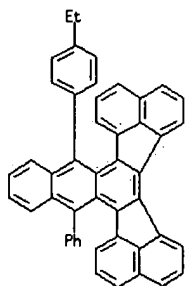
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LC STN Files: CA, CAPLUS



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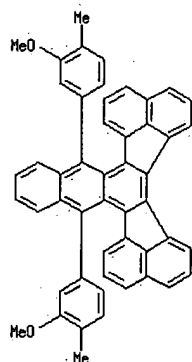
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RN 554415-33-7 REGISTRY
CN Acenaphtho[1,2-j]naphtho[2,3-l]fluoranthene, 10-(4-ethylphenyl)-15-phenyl- (9CI) (CA INDEX NAME)
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MF C48 H30
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LC STN Files: CA, CAPLUS



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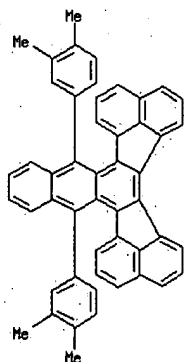
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RN 554415-31-5 REGISTRY
CN Acenaphtho[1,2-j]naphtho[2,3-l]fluoranthene, 10,15-bis(3-methoxy-4-methylphenyl)- (9CI) (CA INDEX NAME)
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MF C50 H34 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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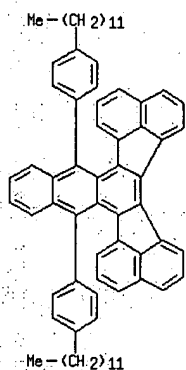
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RN 554415-30-4 REGISTRY
CN Acenaphtho[1,2-j]naphtho[2,3-l]fluoranthene, 10,15-bis(3,4-dimethylphenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C50 H34
SR CA
LC STN Files: CA, CAPLUS



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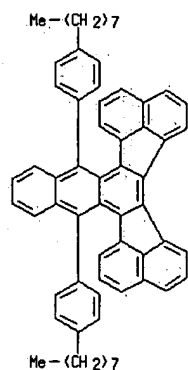
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RN 554415-25-7 REGISTRY
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(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C70 H74
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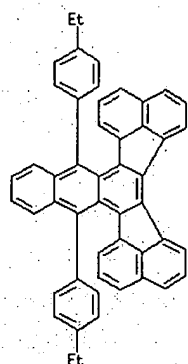
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RN 554415-24-6 REGISTRY
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(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C62 H58
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
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L3 ANSWER 14 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 554415-22-4 REGISTRY
CN Acenaphtho[1,2-j]naphtho[2,3-l]fluoranthene, 10,15-bis(4-ethylphenyl)-
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MF C50 H34
SR CA
LC STN Files: CA, CAPLUS

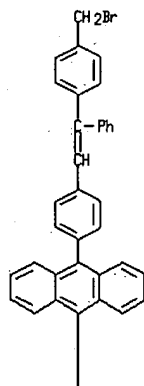


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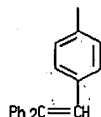
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RN 546633-51-6 REGISTRY
CN Anthracene, 9-[4-[2-[4-(bromomethyl)phenyl]-2-phenylethenyl]phenyl]-10-[4-(2,2-diphenylethenyl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C55 H39 Br
SR CA
LC STN Files: CA, CAPLUS

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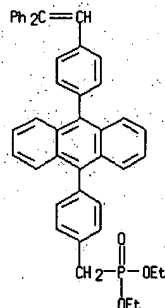
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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 16 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 546632-99-9 REGISTRY
CN Phosphonic acid, [[4-[10-[4-(2,2-diphenylethenyl)phenyl]-9-anthracenyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C45 H39 O3 P
SR CA
LC STN Files: CA, CAPLUS



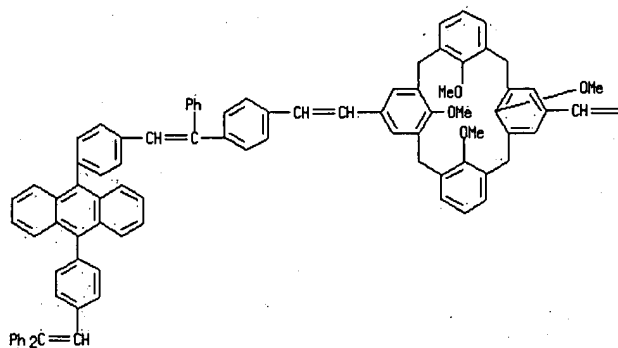
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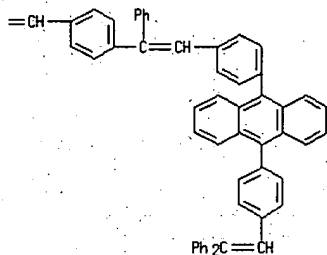
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RN 546632-79-5 REGISTRY
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacos-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene, 5,17-bis[2-[4-[2-[4-[10-[4-(2,2-diphenylethenyl)phenyl]-9-anthracenyl]phenyl]-1-phenylethenyl]phenyl]ethenyl]-25,26,27,28-tetramethoxy- (9CI) (CA INDEX NAME)
MF C144 H108 O4

SR CA
LC STN Files: CA, CAPLUS

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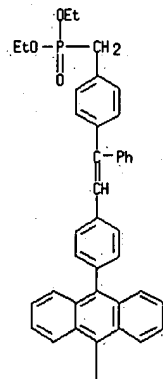
PAGE 1-B



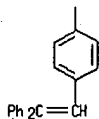
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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 18 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 546632-77-3 REGISTRY
CN Phosphonic acid, [[4-[2-[4-[10-[4-(2,2-diphenylethenyl)phenyl]-9-anthracenyl]phenyl]-1-phenylethenyl]phenyl]methyl]-, diethyl ester (9CI)
(CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS

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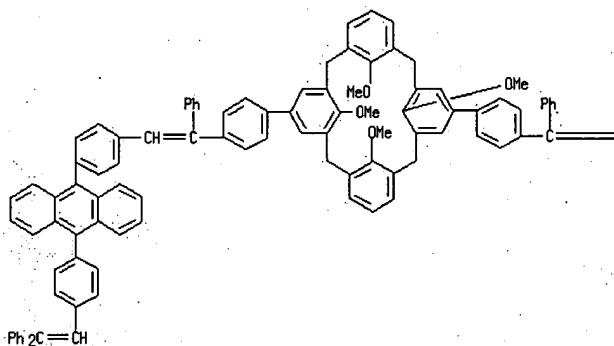


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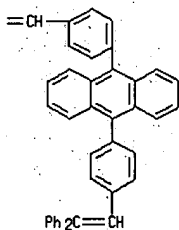
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L3 ANSWER 19 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 546631-76-9 REGISTRY
CN Pentacyclo[19.3.1.13,7.19,13.115,19]octacos-1(25),3,5,7(28),9,11,13(27),15,17,19(26),21,23-dodecaene, 5,17-bis[4-[2-[4-[10-[4-(2,2-diphenylethenyl)phenyl]-9-anthracenyl]phenyl]-1-phenylethenyl]phenyl]-25,26,27,28-tetramethoxy- (9CI) (CA INDEX NAME)
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LC STN Files: CA, CAPLUS

PAGE 1-A



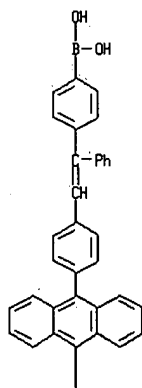
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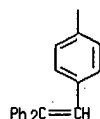
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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 20 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 546631-73-6 REGISTRY
CN Boronic acid, [4-[2-[4-[10-[4-(2,2-diphenylethenyl)phenyl]-9-anthracenyl]phenyl]-1-phenylethenyl]phenyl]- (9CI) (CA INDEX NAME)
MF C54 H39 B O2
SR CA
LC STN Files: CA, CAPLUS

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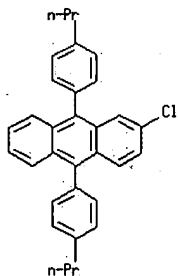


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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

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RN 524713-62-0 REGISTRY
CN Anthracene, 2-chloro-9,10-bis(4-propylphenyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 9,10-Bis(4-propylphenyl)-2-chloroanthracene
FS 3D CONCORD
MF C32 H29 Cl
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

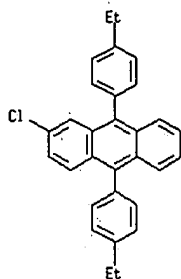


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L3 ANSWER 22 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 524713-61-9 REGISTRY
CN Anthracene, 2-chloro-9,10-bis(4-ethylphenyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 9,10-Bis(4-ethylphenyl)-2-chloroanthracene
FS 3D CONCORD

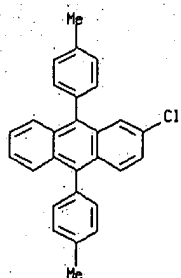
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LC STN Files: CA, CAPLUS, USPATFULL



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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 23 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 524713-60-8 REGISTRY
CN Anthracene, 2-chloro-9,10-bis(4-methylphenyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
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FS 3D CONCORD
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SR CA
LC STN Files: CA, CAPLUS, USPATFULL

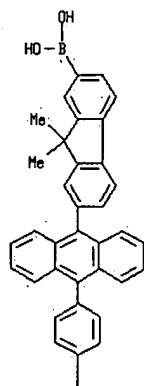


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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 24 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 522616-25-7 REGISTRY
CN Boronic acid, [9,9-dimethyl-7-[10-(4-methylphenyl)-9-anthracenyl]-9H-fluoren-2-yl]- (9CI) (CA INDEX NAME)
MF C36 H29 B O2
SR CA
LC STN Files: CA, CAPLUS

PAGE 1-A



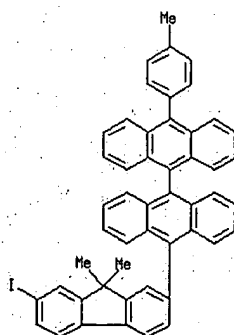
PAGE 2-A



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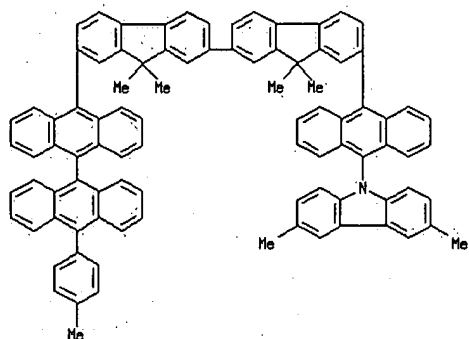
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RN 522616-17-7 REGISTRY
CN 9,9'-Bianthracene, 10-(7-iodo-9,9-dimethyl-9H-fluoren-2-yl)-10'-(4-methylphenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C50 H35 I
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 26 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 522615-94-7 REGISTRY
CN 9H-Carbazole, 3,6-dimethyl-9-[10-[9,9,9',9'-tetramethyl-7'-[10'-(4-methylphenyl)[9,9'-bianthracen]-10-yl][2,2'-bi-9H-fluoren]-7-yl]-9-anthracenyl]- (9CI) (CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS

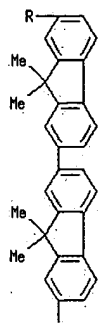


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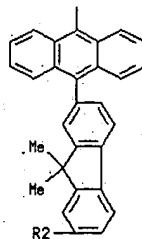
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L3 ANSWER 27 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 522615-83-4 REGISTRY
CN 9H-Carbazole, 9-[9,9-dimethyl-7-[10-[9,9,9',9'-tetramethyl-7'-[10-(4-methylphenyl)-9-anthracenyl][2,2'-bi-9H-fluoren]-7-yl]-9-anthracenyl]-9H-fluoren-2-yl]- (9CI) (CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS

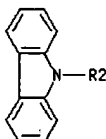
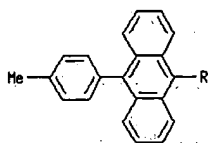
PAGE 1-A



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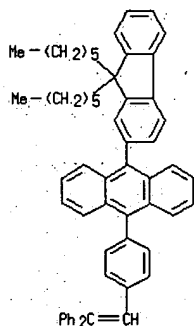


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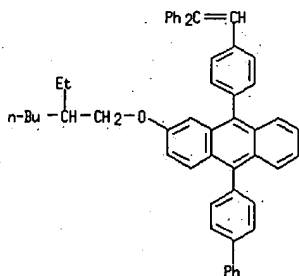
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RN 519171-76-7 REGISTRY
CN Anthracene, 9-(9,9-dihexyl-9H-fluoren-2-yl)-10-[4-(2,2-diphenylethenyl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C59 H56
SR CA
LC STN Files: CA, CAPLUS



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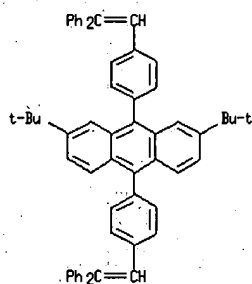
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RN 519171-74-5 REGISTRY
CN Anthracene, 10-[1,1'-biphenyl]-4-yl-9-[4-(2,2-diphenylethenyl)phenyl]-2-[[2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C54 H48 O
SR CA
LC STN Files: CA, CAPLUS



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

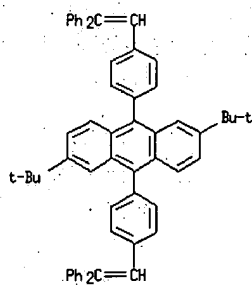
L3 ANSWER 30 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 519171-70-1 REGISTRY
CN Anthracene, 2,7-bis(1,1-dimethylethyl)-9,10-bis[4-(2,2-diphenylethenyl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C62 H54
SR CA
LC STN Files: CA, CAPLUS



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 31 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 519171-69-8 REGISTRY
CN Anthracene, 2,6-bis(1,1-dimethylethyl)-9,10-bis[4-(2,2-diphenylethenyl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C62 H54
SR CA
LC STN Files: CA, CAPLUS

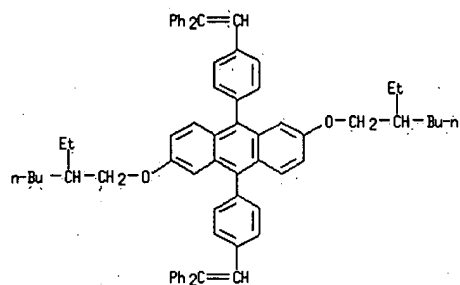


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1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 32 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 519171-68-7 REGISTRY
CN Anthracene, 9,10-bis[4-(2,2-diphenylethenyl)phenyl]-2,6-bis[(2-ethylhexyl)oxy]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C70 H70 O2

SR CA
LC STN Files: CA, CAPLUS

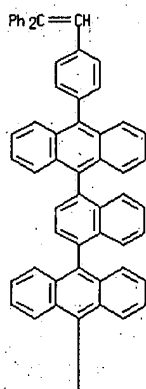


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

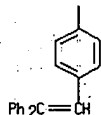
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1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 33 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 510775-14-1 REGISTRY
CN Anthracene, 9,9'-(1,4-naphthalenediyl)bis[10-[4-(2,2-diphenylethenyl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C78 H52
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

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PAGE 2-A

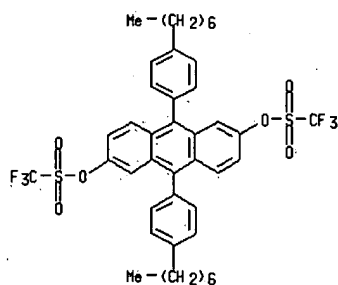


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 34 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 500564-98-7 REGISTRY
CN Methanesulfonic acid, trifluoro-, 9,10-bis(4-heptylphenyl)-2,6-anthracenediyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C42 H44 F6 O6 S2

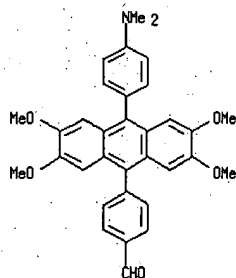
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

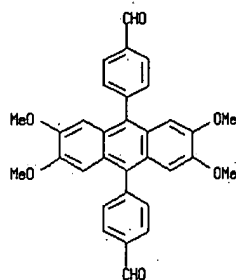
L3 ANSWER 35 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 494868-50-7 REGISTRY
CN Benzaldehyde, 4-[10-[4-(dimethylamino)phenyl]-2,3,6,7-tetramethoxy-9-anthracenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C33 H31 N O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

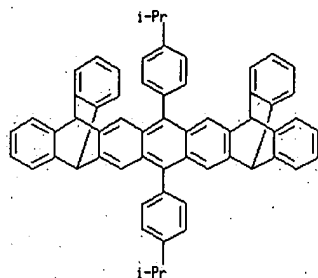
L3 ANSWER 36 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 494868-40-5 REGISTRY
CN Benzaldehyde, 4,4'-(2,3,6,7-tetramethoxy-9,10-anthracenediyl)bis- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C32 H26 O6
SR CA
LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

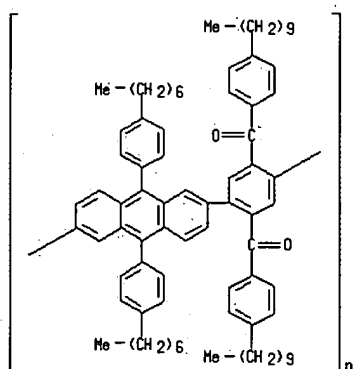
L3 ANSWER 37 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 491595-26-7 REGISTRY
CN 5,18[1',2']:9,14[1'',2'']-Dibenzenoheptacene, 5,9,14,18-tetrahydro-7,16-bis[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C60 H46
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 38 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
RN 474311-04-1 REGISTRY
CN Poly[[9,10-bis(4-heptylphenyl)-2,6-anthracenediyl][2,5-bis(4-decylbenzoyl)-1,4-phenylene]] (9CI) (CA INDEX NAME)
MF (C80 H96 O2)n
CI PMS
PCT Polyether, Polyether only
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

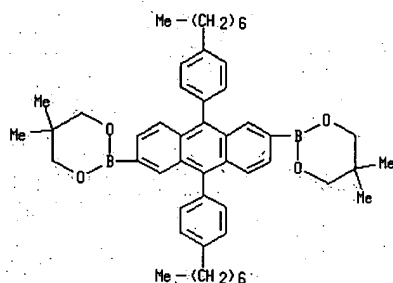


2 REFERENCES IN FILE CA (1947 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 39 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 474311-03-0 REGISTRY
 CN Methanone, (2,5-dibromo-1,4-phenylene)bis[(4-decylphenyl)-, polymer with
 2,2'-[9,10-bis(4-heptylphenyl)-2,6-anthracenediyl]bis[5,5-dimethyl-1,3,2-
 dioxaborinane] (9CI) (CA INDEX NAME)
 MF (C50 H64 B2 O4 . C40 H52 Br2 O2)x
 CI PMS
 PCT Polyether, Polyether only
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

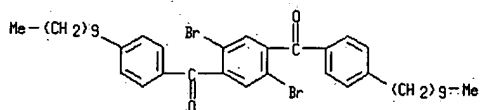
CM 1

CRN 474311-02-9
 CMF C50 H64 B2 O4



CM 2

CRN 136296-63-4
 CMF C40 H52 Br2 O2



2 REFERENCES IN FILE CA (1947 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L3 ANSWER 40 OF 199 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 474311-02-9 REGISTRY
 CN 1,3,2-Dioxaborinane, 2,2'-[9,10-bis(4-heptylphenyl)-2,6-
 anthracenediyl]bis[5,5-dimethyl- (9CI) (CA INDEX NAME)
 MF C50 H64 B2 O4

=>



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Jacob, R becca (ASRC)

459118

From: Mellerson, Kendra
Sent: Tuesday, August 12, 2003 2:40 PM
To: STIC-ILL
Subject: FW: ILL_Order

-----Original Message-----

Fr m: Tucker, Phillip
Sent: Tuesday, August 12, 2003 2:08 PM
To: STIC-EIC1700
Subject: ILL_Order

Philip Tucker
Art Unit 1712
CP3 6E14
308-0529
Application No. 10/071958

Please retrieve the following articles;

Author - Antonkina O.A. et al

Title - Electrochemical behavior of Polycyclic arenes-activators of peroxide-oxalate chemiluminescence. Oxidation of substituted naphthalenes and anthracenes on a platinum disk electrode.

Journal - Elektrokhimiya

Pages - 380-387

Volume 27, no. 3

1991

102 (b)

1, 8, 10, 12, 14

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2, 3, 4,

103

1, 8-17 in view of KOROSCIL
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103

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